

Green Energy Program

Program & Incentive Revisions

Incentive Change

- Green Energy Fund Backlog
- Flexibility
- Market Change - SRECs
- Cooperation with Renewable Energy Industry
- Capacity / Performance Based Incentives
- Extra Incentives for Non Profits due to tax status
- Coop Implemented Incentive Changes 9/1/10

Current Incentives

| Delaware Green Energy Fund (Delmarva Power Customers) | | | |
|---|-------------|-----------------|-----------------|
| | Residential | Non-Residential | Non Profit |
| Photovoltaic (PV) | | | |
| Percentage of Cost | 25% | 25% | 35% |
| Maximum Grant | \$31,500 | \$250,000.00 | \$250,000.00 |
| | | | |
| | Residential | Non-Residential | Non-Residential |
| Wind | | (\$/watt) | (\$/watt) |
| Percentage of Cost | 25% | 25% | 35% |
| Maximum Grant | \$22,500 | \$100,000.00 | \$100,000.00 |
| | | | |
| | Residential | Non-Residential | Non-Residential |
| Solar Water Heating (SWH) | | | |
| SWH Water Heater Only | 25% | 25% | 35% |
| Maximum Grant | \$3,000 | \$250,000 | \$250,000 |
| | | | |
| SWH Heating Integrated | 25% | 25% | 35% |
| Maximum Grant | \$5,000 | \$250,000 | \$250,000 |
| | | | |
| Geothermal Heat pumps | Residential | Non-Residential | Non-Residential |
| EER ≥ 15 /COP ≥ 3.4 Per Ton | (\$600/ton) | (\$600/ton) | (\$600/ton) |
| Maximum Grant | \$3,000 | \$25,000 | \$25,000 |
| | | | |
| 14 EER < 15 /COP ≥ 3.0 Per Ton | (\$500/ton) | (\$500/ton) | (\$500/ton) |
| Maximum Grant | \$2,500 | \$25,000 | \$25,000 |

New Incentives

| Delaware Green Energy Fund | | | |
|--|-------------------------|---|---|
| | Residential | Non-Residential | Non-Profit |
| Photovoltaic (PV) & Wind | (\$/watt) | (\$/watt) | (\$/watt) |
| 0+ to 5 KW | \$1.25 | \$1.25 | \$2.55 |
| 5+KW to 10KW | \$0.75 | \$0.75 | \$1.50 |
| 10+KW to 100KW | \$0.35 | \$0.35 | \$0.70 |
| Maximum Grant | \$15,000.00 | \$41,500.00 | \$83,000.00 |
| | | | |
| | Residential | Non-Residential | Non-Profit |
| Solar Water Heating (SWH) | (\$/OG300 - KWHr Saved) | (\$/OG300 or PE ¹ Calculated KWHr Saved) | (\$/OG300 or PE ¹ Calculated KWHr Saved) |
| SWH Water Heater Only | \$1.00 | \$1.00 | \$2.00 |
| SWH Heating Integrated | \$1.00 | \$1.00 | \$2.00 |
| Maximum Grant | \$5,000.00 | \$10,000.00 | \$10,000.00 |
| | | | |
| Geothermal Heat pumps | Residential | Non-Residential | Non-Profit |
| EER ≥18/COP≥3.6 First stage Load | (\$/ton) | (\$/ton) | (\$/ton) |
| First 2 tons | \$800.00 | \$800.00 | \$1000.00 |
| Over 2 Tons | \$700.00 | \$700.00 | \$800.00 |
| Maximum Grant | \$5,000.00 | \$30,000.00 | \$30,000.00 |
| PE ¹ = Licensed Delaware Professional Engineer required if the installed system is not OG-300 compliant | | | |

Incentive Comparison – PV

| | | | |
|----------------------------|---|-------------|-----------------------------|
| 5 KW PV - \$32,500 | | | |
| \$6.50 watt installed cost | Incentive | Grant | Equivalent Grant Percentage |
| Current Incentive | 25% | \$8,125.00 | 25% |
| New Incentive | \$1.25/watt First 5 KW | \$6,250.00 | 19% |
| | | | |
| 10 KW PV - \$60,000 | | | |
| \$6.00 watt installed cost | Incentive | Grant | |
| Current Incentive | 25% | \$15,000.00 | 25% |
| New Incentive | \$1.25/watt First 5 KW + \$0 .75/watt Next 5KW | \$10,000.00 | 16% |
| | | | |
| 25 KW PV - \$137,500 | | | |
| \$5.50 watt installed cost | Incentive | Grant | |
| Current Incentive | 25% | \$31,500.00 | 22% |
| New Incentive | \$1.25/watt First 5 KW + \$0 .75/watt Next 5KW + \$0.35/watt Next KW up to 100KW | \$15,000.00 | 11% |

Incentive Comparison – Non Profit PV

| | | | |
|----------------------------|--|-------------|-----------------------------|
| 5 KW PV - \$32,500 | | | |
| \$6.50 watt installed cost | Incentive | Grant | Equivalent Grant Percentage |
| Current Incentive | 35% | \$11,375.00 | 35% |
| New Incentive | \$2.55/watt First 5 KW | \$12,750.00 | 39% |
| | | | |
| 10 KW PV - \$60,000 | | | |
| \$6.00 watt installed cost | Incentive | Grant | |
| Current Incentive | 35% | \$21,000.00 | 35% |
| New Incentive | \$2.55/watt First 5 KW + \$1.50/watt Next 5KW | \$20,250.00 | 34% |
| | | | |
| 25 KW PV - \$137,500 | | | |
| \$5.50 watt installed cost | Incentive | Grant | |
| Current Incentive | 35% | \$48,125.00 | 35% |
| New Incentive | \$2.55/watt First 5 KW + \$1.50/watt Next 5KW + \$0.70/watt Next KW up to 100KW | \$30,750.00 | 22% |

Incentive Comparison – SHW

| | | |
|--|---|------------|
| ACR Solar – Unit 40.1 sq .ft | | |
| Total Cost \$7,800 | Incentive | Grant |
| Current Incentive | 25% | \$1,950.00 |
| New Incentive | (\$1.00/OG300 or PE ¹ Calculated KWHr Saved) | \$1,910.00 |
| PE ¹ = Licensed Delaware Professional Engineer required if the installed system is not OG-300 compliant | | |

Incentive Comparison – Non Profit SHW

| | | |
|--|---|------------|
| ACR Solar – Unit 40.1 sq .ft | | |
| Total Cost \$7,800 | Incentive | Grant |
| Current Incentive | 35% | \$2,730.00 |
| New Incentive | (\$2.00/OG-300 or PE ¹ - KWHr Saved) | \$3,820.00 |
| PE ¹ = Licensed Delaware Professional Engineer required if the installed system is not OG-300 compliant | | |

Incentive Comparison – Wind

| | | |
|----------------------------|--|------------|
| 2600W Sky stream- \$15,000 | | |
| \$5.76 watt installed | Incentive | Grant |
| Current Incentive | 25% for system cost \leq \$5.00/watt | \$3,250.00 |
| New Incentive | \$1.25/watt | \$3,250.00 |

| | | |
|-----------------------------|--|-------------|
| 90,000W Turbine - \$200,000 | | |
| \$2.22 watt installed | Incentive | Grant |
| Current Incentive | 25% for system cost \leq \$5.00/watt | \$50,000.00 |
| New Incentive | \$1.25/watt First 5 KW + \$0.75/watt Next 5KW + \$0.35/watt Next KW up to 100KW | \$38,000.00 |

Incentive Comparison – Non Profit Wind

| | | |
|----------------------------|--|------------|
| 2600W Sky stream- \$15,000 | | |
| \$5.76 watt installed | Incentive | Grant |
| Current Incentive | 35% for system cost \leq \$5.00/watt | \$4,550.00 |
| New Incentive | \$2.55/watt | \$6,630.00 |

| | | |
|-----------------------------|--|-------------|
| 90,000W Turbine - \$200,000 | | |
| \$2.22 watt installed | Incentive | Grant |
| Current Incentive | 35% for system cost \leq \$5.00/watt | \$70,000.00 |
| New Incentive | \$2.55/watt First 5 KW + \$1.50/watt Next 5KW + \$0.70/watt Next KW up to 100KW | \$76,250.00 |

Incentive Comparison – GEO

| | | |
|-----------------------------|---|------------|
| 2 Ton Geothermal - \$14,000 | | |
| | Incentive | Grant |
| Current Incentive | \$600/ton | \$1,200.00 |
| New Incentive | \$800/ton First 2 Tons | \$1,600.00 |
| | | |
| 5 ton Geothermal - \$25,000 | | |
| | Incentive | Grant |
| Current Incentive | \$600/ton | \$3000.00 |
| New Incentive | \$800/ton First 2 Tons + \$700/ton Over 2 Tons | \$3,700.00 |

Incentive Comparison – Non Profit GEO

| | | |
|-----------------------------|--|------------|
| 2 Ton Geothermal - \$14,000 | | |
| | Incentive | Grant |
| Current Incentive | \$600/ton | \$1,200.00 |
| New Incentive | \$800/ton First 2 Tons | \$1,600.00 |
| | | |
| 5 ton Geothermal - \$25,000 | | |
| | Incentive | Grant |
| Current Incentive | \$600/ton | \$3000.00 |
| New Incentive | \$1000/ton First 2 Tons + \$800/ton Over 2 Tons | \$4,400.00 |

Additional Revisions

- Audit Requirement for Residential Homes
 - Energize DE HPwES
 - Provides Audit incentive
 - Provide Efficiency Incentive
 - Notifies DEO when HPwES approves audits and upgrades
- Audit Requirement for Non-Residential in Progress
- PPA will be eligible for funding
 - Incentive level based on owner of system

Questions / Discussion